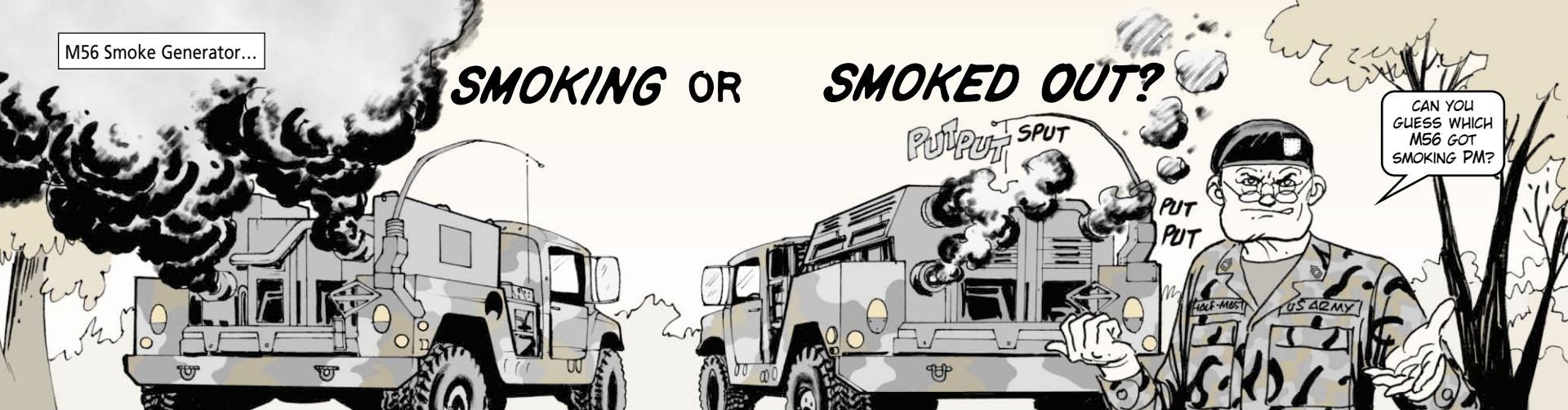


SMOKING OR**SMOKED OUT?**

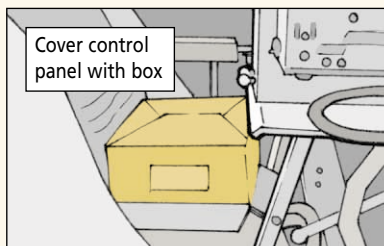
DO YOU WANT YOUR M56 SMOKE GENERATOR SMOKING LIKE A CHIMNEY OR SMOKED OUT BY CARELESSNESS AND LACK OF PM? CHIMNEY, RIGHT?



THEN HERE'S WHAT YOU NEED TO DO...

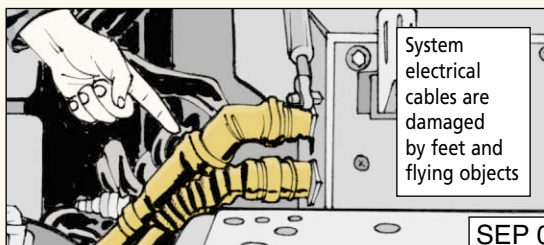
Don't Throw Stuff

A carelessly tossed helmet or pack can put your M56 down faster than you can say "uh-oh". Inside the truck, the usual victim is the toggle switches on the control panel. A broken switch usually means no smoking. Many units keep a cardboard or MRE box over the control panel when they're not smoking to protect the switches.



On the smoke generator itself, the fog oil pump, the system electrical cables, and the IR transport hose are what catch damage. They are banged up by not only tossed objects, but also by people stepping on them and by stuff being piled on them.

When you climb around the M56, step on the fenders and the loading platform. Don't pile equipment on the M56. Find someplace else to put your gear.



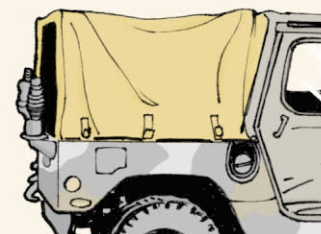
SEP 02

Watch the Water

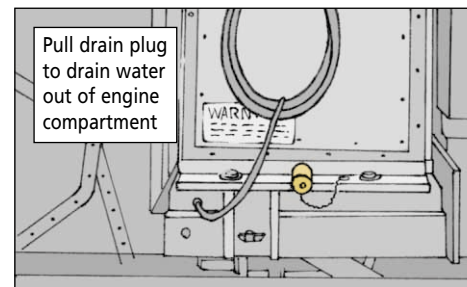
It's best to keep your M56 as dry as possible. Water not only causes the usual electrical and corrosion problems, but if it gets in the turbine exhaust it can stop the turbine engine from starting. And water in the IR ejector can eventually cause the grinder to seize from corrosion.

Keep the M56 covered with its tarp when it's not being used. Don't take the M56 through a wash rack unless the tarp is in place. Check after a rain or washing for water in the engine compartment. If you spot any, pull the drain plug at the bottom rear of the engine enclosure and let the water drain.

Keep M56 covered with tarp



Pull drain plug to drain water out of engine compartment



IF YOU FOLLOW THESE RULES AND THE ONES ON THE NEXT PAGE, YOUR M56 *WILL* SMOKE LIKE A CHIMNEY!



PS 598

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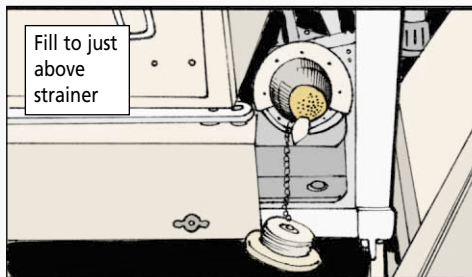
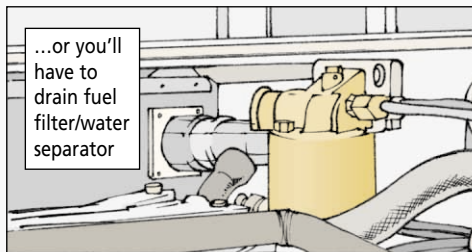
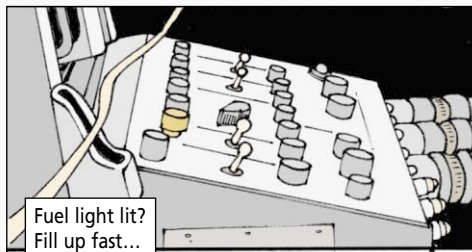
PS MORE

Watch the Fuel

The M56 doesn't have a fuel gauge, so you must keep an eye on the fuel warning light on the control panel. Once it lights up, you have only 5-10 minutes of smoking left. So shut down the system as soon as the light comes on.

If you let the M56 run dry, air gets in the fuel lines. You won't be able to smoke again until you bleed the fuel lines and the fuel filter/water separator after you refill the tank. See Para 3-13 in TM 3-1040-282-10 for bleeding instructions. But even then you may have trouble restarting.

Your best bet is to always fill the M56 tank before you start smoking. But remember that a full tank will provide only 1½ hours of turbine operation. Be careful not to overfill the tank, though. Heat expands fuel and that can cause leaks. Fill it just above the strainer.



Remember the Gap

The ejector air gap setting must be adjusted according to the temperature you'll be operating in or you'll have smoking problems. See Page 2-44 in the -10 for the temperature settings and the procedure for adjusting the gap.

